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Substitute for	Form 1449A/PTC	B	. \$		Complete if Known
	Form 1449A/PTC	A TELEVI		Application Number	10/791,205
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	March 2, 2004
STATE	EMENTE	BY AP	PLICANT	First Named Inventor	Charles A. Milligan
				Group Art Unit	2835
(use as many si	heets as ne	cessary)	Examiner Name	Unknown
Sheet	1	of	3	Attorney Docket Number	2003-023-DSK(STK03023PUSP)

	U.S. PATENT DOCUMENTS								
Examiner Initials	Cite No.1	U.S. PATENT D	OCUMENT Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevan Passages or Relevant Figures Appear			
H9		4,504,936		Faber et al.	03-12-1985				
		4,674,004		Smith et al.	06-16-1987				
		4,754,397		Varaiya et al.	06-28-1988				
		5,063,476		Hamadah et al.	11-05-1991				
		5,206,845		Baxter et al.	04-27-1993				
		5,237,484	-	Ferchau et al.	08-17-1993				
		5,412,661		Hao et al.	05-02-1995				
		5,446,855		Dang et al.	08-29-1995				
		5,506,750		Carteau et al.	04-09-1996				
\mathbf{I}		5,515,515		Kennedy et al.	05-07-1996				
		5,566,316		Fechner et al.	10-15-1996				
		5,604,662		Anderson et al.	02-18-1997				
		5,615,352		Jacobson et al.	03-25-1997				
		5,634,810		Niitsu et al.	06-03-1997				
		5,680,294		Stora et al.	10-21-1997				
		5,751,549		Eberhardt et al.	05-12-1998				
		5,757,617		Sherry	05-26-1998				
/		5,832,198		Lucht	11-03-1998				
V		5,914,858		McKeen et al.	06-22-1999				
113		5,941,994		DeKoning et al.	08-24-1999				

			F	OREIGN P	ATENT DOCUMEN	ITS		
			Foreign Patent Do	cument		Date of Publication	Pages, Columns, Lines, Where Relevant	
Examiner Initials	Cite No. ¹	Office 3	Number 4	Kind Code ⁵ (<i>if known</i>)	Name of Patentee or Applicant of Cited Document	of Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	L _e
								
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute fo	or Form 1449A/PTO			Complete if Known			
				Application Number	10/791,205		
	RMATION E			Filing Date	March 2, 2004		
STAT	EMENT BY	AP	PLICANI	First Named Inventor	Charles A. Milligan		
				Group Art Unit	2835		
	(use as many sheet	s as ne	ecessary)	Examiner Name	Unknown		
Sheet	2	of	3	Attorney Docket Number	2003-023-DSK(STK03023PUSP)		

_				U.S. PATENT DO	CUMENTS	
Examiner Initials	Cite No.1	U.S. PATENT DO	OCUMENT Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
163		6,052,278		Tanzer et al.	04-18-2000	
		6,098,114		McDonald et al.	08-01-2000	
		6,138,176		McDonald et al.	10-24-2000	
		6,145,028		Shank et al.	11-07-2000	
		6,166,900		Flynn et al.	12-26-2000	
		6,222,699		Luffel et al.	04-24-2001	
		6,288,902		Kim et al.	09-11-2001	
		2001/0021099	9	Siedow et al.	09-13-2001	
		6,301,625		McDonald et al.	10-09-2001	
		6,317,334		Abruzzini et al.	11-13-2001	
		6,356,441		Claprood	03-12-2002	
v		6,381,139		Sun	04-30-2002	
HB		2004/0010660) A1	Konshak et al.	01-15-2004	
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			Foreign Patent Do			Date of Publication	Pages, Columns, Lines, Where Relevant	
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Substitute for Form 1449B/PTO		Con	nplete if Known			
				Application Number	10/791,205	
	MATION D			Filing Date	March 2, 2004	
STATE	EMENT BY	AP	PLICANI	First Named Inventor	Charles A. Milligan e	t al.
				Group Art Unit	2835	
	(use as many she	ets as	necessary)	Examiner Name	Unknown	
Sheet	3	of	3	Attorney Docket Number	2003-023-DSK(STK 0302	3PUSP)
<u></u>	OTHER P	RIO	R ART NON P	ATENT LITERATUR	E DOCUMENTS	
Examiner Initials	Cite No.1		n (book, magazine, journal, s	CAPITAL LETTERS), title of the art erial, symposium, catalog, etc.), dat hisher, city and/or country where put	e, page(s), volume-issue number(s),	T ²
HB				Nexsan Technologies, an.com, ATA disk base		
bg .				Nexsan Technologies, an.com ATA disk based		
HB				e is a better way to ologies, <u>www.nexsan.c</u>	protect my date than	
10		Fa		ge Virtualization, a e, 2001 Falconstor So		
HD		De		n Availability Mirror alconStor Software, T lconStor.com		
118		Vi		on 5 DataSheet, Stora Control, DataCore So		
H8		Al	acritus Software,		ritus Software, Data Assets, Ensures rage Management Costs	
AB	Double-Take, Features and Benefits, Advantages of Double Take, The Protection of Real-Time Data Replication in a Multi-Platform Software Solution, Continuous Data Availability, NSI Software					

			
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Signature	Tung ou	Considered	7/18/02

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	or Form 1449A/PT	^			Complete if Known	
				Application Number	10/791,205	
_			LOSURE	Filing Date	March 2, 2004	
STAT	EMENT	BY APP	PLICANT	First Named Inventor	Charles A. Milligan et al.	
				Group Art Unit	2835	
	(use as many s	heets as nec	essary)	Examiner Name	Unknown	
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		5,757,617		Sherry	05-26-1998	
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/B		5,914,858		McKeen et al.	06-22-1999	

	FOREIGN PATENT DOCUMENTS									
	ā.,	Foreign Patent Document Kind Code ⁵				Date of Publication	Pages, Columns, Lines, Where Relevant			
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				Application Number	10/791,205	
	MATION D			Filing Date	March 2, 2004	
STATE	MENT BY	AP	PLICANT	First Named Inventor	Charles A. Milligan et al.	
				Group Art Unit	2835	
(use as many sheets	s as ne	ecessary)	Examiner Name	Unknown	
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		6,098,114		McDonald et al.	08-01-2000			
		6,138,176		McDonald et al.	10-24-2000			
		6,145,028		Shank et al.	11-07-2000			
		6,166,900		Flynn et al.	12-26-2000			
		6,222,699		Luffel et al.	04-24-2001			
Ш		6,288,902		Kim et al.	09-11-2001			
		2001/002109	9 A1	Shedow et al.	09-13-2001			
		6,301,625		McDonald et al.	10-09-2001			
		6,317,334		Abruzzini et al.	11-13-2001			
		6,356,441		Claprood	03-12-2002			
V		6,381,139		Sun	04-30-2002			
旭		2004/001066	0 A1	Konshak et al.	01-15-2004			
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		Foreign Patent Document				Date of Publication	Pages, Columns, Lines, Where Relevant	
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Complete if Known Substitute for Form 1449B/PTO **Application Number** 10/791,205 INFORMATION DISCLOSURE Filing Date March 2, 2004 STATEMENT BY APPLICANT First Named Inventor Charles A. Milligan et al. **Group Art Unit** (use as many sheets as necessary) **Examiner Name** Unknown 3 Sheet of Attorney Docket Number 2003-023-DSK(STK03023PUSP) 3 OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), Examiner T 2 Cite No.1 publisher, city and/or country where published. Initials Infinisan ATAboy, Nexsan Technologies, On-Guard Technical HB Services, www.nexsan.com, ATA disk based RAID Infinisan ATAboy2, Nexsan Technologies, On-Guard Technical Services, www.nexsan.com ATA disk based RAID lfB InfinisanD2D, There is a better way to protect my date than ho tape, Nexsan Technologies, www.nexsan.com The Value of Storage Virtualization, a white paper, HR Falconstar Software, 2001 Falconstor Software, Inc. www.falconstor.com Virtualization High Availability Mirroring Back Up Storage Devices, IPStor, FalconStor Software, The Art of Storage Networking, www.FalconStor.com Sansymphony, Version 5 DataSheet, Storage Management, 烿 Virtualization and Control, DataCore Software www.datacore.com New Tape Library Alternative from Alacritus Software, HB Alacritus Software, Protects Corporate Data Assets, Ensures High Quality Performance & Reduces Storage Management Costs Double-Take, Features and Benefits, Advantages of Double HB Take, The Protection of Real-Time Data Replication in a Multi-Platform Software Solution, Continuous Data Availability, NSI Software

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